

Observations of the Variable Star S. (10) Sagittæ. By J. E. Gore.

The following are my observations of this short-period variable during the year 1890. They form a continuation of the observations given in *Monthly Notices* for March 1890.

The comparison stars are as before :—

11 Sagittæ	Mag. 5·8
D M + 16°, 4086	7·0

Date.		Dublin M.T.	Mag.	Date.		Dublin M.T.	Mag.
1890, Jan.	8	6 6	6·24	1890, Sept.	4	8 30 (?)	5·8
	13	5 55	5·8		{ 6	8 20	6·0
May	14	10 18	6·34		{ 6	10 25	5·95
	18	10 30	6·0		7	8 40	6·1
	26	10 35	5·65		8	8 28	6·24
July	10	10 50	6·2		9	9 10	6·34
	16	10 37	6·0		12	8 42	5·95
	27	9 50	6·34		15	9 40	6·12
	30	9 55	6·3		18	8 15	6·24
Aug.	5	10 35	6·16		22	10 0	5·8
	6	9 20	6·4		27	10 14	6·23
	7	9 25	6·48		28	7 15	6·2
	8	10 15	6·2	Oct.	7	7 20	5·8
	9	9 20	6·1		8	6 45	5·65
	11	10 25	5·8		12	9 10	6·34
	15	9 0	6·37		17	8 20	5·8
	16	10 15	6·2	Nov.	7	6 50	6·28
	17	9 12	6·0		8	10 15	6·04
	25	9 20	6·0		11	8 15	5·8
	28	9 10	5·8		12	7 58	5·73
	29	9 0	5·95		15	6 25	6·33
	30	9 10	6·1	Dec.	4	5 40	6·08
					29	6 30	6·13

Note on the Orbit of Juno. By A. M. W. Downing, M.A.

The following comparison of the observations of *Juno* made with the Transit Circle of the Royal Observatory, Greenwich, near the time of opposition in 1890, with (i.) the tabular places of the *Nautical Almanac*, and (ii.) with an ephemeris computed from the elements published in *Monthly Notices*, vol. 1. p. 495, which the Astronomer Royal kindly permits me to publish, may be of interest.

Day, 1890.	Error of Tabular R.A.		Error of Tabular N.P.D.	
	I.	II.	I.	II.
May 5	^s -4.08	^s +0.21	-5.64	+0.86
12	-3.99	+0.37	-7.08	-0.48
20	-4.24	+0.17	-6.01	+0.59
21	-4.31	+0.11	-5.82	-0.78
26	-4.39	+0.04	-5.05	-1.55
30	-4.28	+0.14	-5.62	+0.88
June 4	-4.40	+0.01	-8.19	-1.79
6	-4.49	-0.09	-4.71	+1.69
Mean ...	-4.27	+0.12	-6.02	-0.07

Blackheath:

March 1891.